

**PAT-NO:** JP406165047A  
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**TITLE:** SOLID-STATE IMAGE PICKUP DEVICE  
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**INVENTOR-INFORMATION:**

| NAME               | COUNTRY |
|--------------------|---------|
| FUJIMORI, YASUHIRO |         |

**ASSIGNEE-INFORMATION:**

| NAME      | COUNTRY |
|-----------|---------|
| SONY CORP | N/A     |

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**INT-CL (IPC):** H04N005/335

**ABSTRACT:**

**PURPOSE:** To prevent the luminance level of an image pickup signal from being lowered even when shutter speed is accelerated by controlling an iris based on a motion detecting signal and a luminance detecting signal.

**CONSTITUTION:** A system controller 10 controls the diaphragm of an iris mechanism 1 based on image pickup data from an A/D converter 4 for digitizing and outputting image pickup signals from a CCD image sensor 2, motion vector from a motion vector detecting circuit 8 for detecting the motion of an object from luminance data from an A/D converter 7, and luminance detection data from a luminance level detecting circuit 9 for detecting the level of luminance data from the A/D converter 7. At the same time, the charge storage time of the CCD image sensor 2 is controlled and the gain of an AGC 3 is variably controlled. Thus, since the quantity of image pickup light is adjusted, the luminance level of the image pickup signal can be prevented from being lowered with

the acceleration of **shutter** speed, and the picked-up image with suitable brightness can be provided.

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